PATENT COOPERATION TREATY

PCT

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY (Chapter I of the Patent Cooperation Treaty)

(PCT Rule 44bis)

Applicant's or agent's file reference 105796 a/ds	FOR FURTHER ACTION	See item 4 below			
International application No. PCT/EP2004/012144	International filing date (day/month/year) 27 October 2004 (27.10.2004)	Priority date (day/month/year) 27 October 2003 (27.10.2003)			
International Patent Classification (8th edition unless older edition indicated) See relevant information in Form PCT/ISA/237					
Applicant GSF-FORSCHUNGSZENTRUM FÜR UMWELT UND GESUNDHEIT					

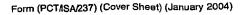
1.	This international preliminary report on patentability (Chapter I) is issued by the International Bureau on behalf of the International Searching Authority under Rule 44 bis.1(a).					
2.	This REPORT consists of a total of 7 sheets, including this cover sheet.					
	In the attached sheets, any refere to the international preliminary r		the International Searching Authority should be read as a reference er I) instead.			
3.	This report contains indications relating to the following items:					
	Box No. I	Basis of the report				
	Box No. II	Priority				
	Box No. III	Non-establishment of opinapplicability	nion with regard to novelty, inventive step and industrial			
	Box No. IV	Lack of unity of invention				
	Box No. V		Article 35(2) with regard to novelty, inventive step or industrial explanations supporting such statement			
	Box No. VI	Certain documents cited				
	Box No. VII	Certain defects in the inter	rnational application			
	Box No. VIII	Certain observations on th	e international application			
4.	4. The International Bureau will communicate this report to designated Offices in accordance with Rules 44bis.3(c) and 93bis.1 but not, except where the applicant makes an express request under Article 23(2), before the expiration of 30 months from the priority date (Rule 44bis.2).					
			Date of issuance of this report 01 May 2006 (01.05.2006)			
The International Bureau of WIPO			Authorized officer			
34, chemin des Colombettes 1211 Geneva 20, Switzerland			Agnes Wittmann-Regis			
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Form PCΓ/IB/373 (January 2004)

PATENT COOPERATION TREATY

om the TERNATIONAL SEARCHING AUTHO	DRITY		דסם	REC'D	3 1 MAR 2005
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see form PCT/ISA/220	6/5	INTERNATION	CT Rule 43	CHING 3 <i>bis</i> .1)	AUTHORITY
Applicant's or agent's file reference		FOR FURTHER A	ACTION		
International application No. PCT/EP2004/012144	International filing date (27.10.2004	 (day/month/year)	Priority date (c) 27.10.2003		year)
International Patent Classification (IPC) or A01G31/00	both national classification	and IPC			
Applicant GSF-FORSCHUNGSZENTRUM	FÜR UMWELT UND	GESUNDHEIT			
☐ Box No. IV Lack of unity ☐ Box No. V Reasoned st applicability; ☐ Box No. VI Certain docu	nment of opinion with re- of invention atement under Rule 43£ citations and explanation ments cited cts in the international activations on the international reliminary examination in the international Preliminary Examinority other than this one the 66.1 bls(b) that written	gard to novelty, inventions. 1(a)(i) with regard to one supporting such states application in a policial application in a smade, this opinion was to be the IPEA and the opinions of this Intermal a written opinion of the	ill usually be converted to the control of the cont	onsidered does not has notifulng Author	or industrial I to be a apply where received the prity
For further options, see Form 3. For further details, see notes					
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Name and mailing address of the ISA:		Authorized Officer			Just Na Polanica,

Telephone No. +31 70 340-



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WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No. PCT/EP2004/012144

	Box No	. I Basis of the opinion				
1.	With regard to the language , this opinion has been established on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.					
	lan (ur	is opinion has been established on the basis of a translation from the original language into the following iguage—, which is the language of a translation furnished for the purposes of international search or representation of the purposes of international search or representation or representation of the purposes of international search or representation or represen				
2.	 With regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed invention, this opinion has been established on the basis of: 					
	a. type of material:					
		a sequence listing				
		table(s) related to the sequence listing				
	b. format of material:					
	in written format					
		in computer readable form				
c. time of filing/furnishing:						
		contained in the international application as filed.				
		filed together with the international application in computer readable form.				
		furnished subsequently to this Authority for the purposes of search.				
	ŀ	n addition, in the case that more than one version or copy of a sequence listing and/or table relating thereton has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.				
	4. Addi	tional comments:				

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No. PCT/EP2004/012144

Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1. Statement

Novelty (N)

Yes: Claims

2,3,6,7,9-17,20,21,27,29-35

No: Claims

1,4,5,8,18,19,22-26,28

Inventive step (IS)

Yes: Claims

9-17,20,21,29-35

No: Claims

1-8,18,19,22-28

Industrial applicability (IA)

Yes: Claims

1-35

No: Claims

2. Citations and explanations

see separate sheet

PCT/EP2004/012144

Re Item V.

Reference is made to the following document: 1

D1: DE 195 41 470 A1 (IUP INSTITUT FUER UMWELTPFLEGE AG, ITTIGEN, CH) 15 May 1996 (1996-05-15)

INDEPENDENT CLAIM 1 2

2.1 The present application does not meet the criteria of Article 33(1) PCT, because the subject-matter of claim 1 is not new in the sense of Article 33(2) PCT.

Document D1 (see claims, figure 3 and column 3, lines 10-13) discloses (the references in parentheses applying to this document):

A method for culturing plant material, comprising:

- (a) forming a layer of floatable granular substrate (4) in a culturing vessel (1);
- (b) placing plant material on or in said layer;
- culturing the plant material in the presence of a culture medium (3), wherein there is no additional structure supporting the plant material from underneath, wherein said floatable granular substrate (4) comprises particles having a size of 10 to 20 mm.
- 2.2 Therefor, it appears that all the features of claim 1 are known from this document D1 and, consequently, the subject-matter of this claim can not be considered as new.

INDEPENDENT CLAIM 22 3

3.1 The present application does not meet the criteria of Article 33(1) PCT, because the subject-matter of claim 22 is not new in the sense of Article 33(2) PCT. Document D1 (see claims, figure 3 and column 3, lines 10-13) also discloses (the references in parentheses applying to this document):

A culturing kit for culturing plant material, comprising a floatable granular substrate (4) and a culturing vessel (1), wherein said floatable granular substrate (4) comprises particles having a size of 10 to 20 mm.

3.2 Therefor, it appears that all the features of claim 22 are known from this document D1 and, consequently, the subject-matter of this claim can not be considered as new.

INDEPENDENT CLAIM 24 4

4.1 The present application does not meet the criteria of Article 33(1) PCT, because the subject-matter of claim 24 is not new in the sense of Article 33(2) PCT.

- Document D1 also implicitly discloses a method of culturing plant material, comprising the use of a culturing kit according to claim 22.
- 4.2 Therefor, it appears that all the features of claim 24 are known from this document D1 and, consequently, the subject-matter of this claim can not be considered as new.

5 INDEPENDENT CLAIM 25

- 5.1 The present application does not meet the criteria of Article 33(1) PCT, because the subject-matter of claim 25 is not new in the sense of Article 33(2) PCT.

 Document D1 also implicitly discloses the use of a floatable granular substrate for culturing plant material, wherein said floatable granular substrate comprises particles having a size of 10 to 20 mm.
- 5.2 Therefor, it appears that all the features of claim 25 are known from this document D1 and, consequently, the subject-matter of this claim can not be considered as new.
- DEPENDENT CLAIMS 4, 5, 8, 18, 19, 23, 26, 28
 Dependent claims 4, 5, 8, 18, 19, 23, 26 and 28 do not contain any features which, in combination with the features of any claim to which they refer, meet the requirements of the PCT in respect of novelty and/or inventive step (Article 33(2) and (3) PCT), for the following reason:

The subject-matters of those claims are also anticipated by document D1 (see claims, figure 3 and column 3, lines 10-13).

7 DEPENDENT CLAIMS 2, 3, 6, 7, 27

Dependent claims 2, 3, 6, 7 and 27 do not contain any features which, in combination with the features of any claim to which they refer, meet the requirements of the PCT in respect of novelty and/or inventive step (Article 33(2) and (3) PCT), the reasons being as follows:

Those claims relate to minor constructional, material or functional features, which are partly revealed in the prior art quoted in the search report or which form part of the normal consideration of the person skilled in the art, i.e. they are the result of routine engineering and do not constitute an inspired design. Therefore they do not appear to contain any additional features which involve an inventive step when combined with the subject matter of any claim to which they refer.

8 DEPENDENT CLAIMS 9-17, 20, 21, 29-35

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY (SEPARATE SHEET)

International application No.

PCT/EP2004/012144

The combination of the features of dependent claims 9-17, 20, 21 and 29-35 are neither known from, nor rendered obvious by, the available prior art.